

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 29-13998

Exam Date: 9/27/2012

1. Current Owner: IDAHO DEPT OF FISH & GAME
1345 BARTON RD
POCATELLO ID 83204
(208)232-4703

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 29-13997
2. Other water rights with the same point of diversion: 29-13997

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

SE1/4SE1/4

Sec. 7, Twp 07S, Rge 35E, B.M.

BANNOCK County

Method of Determination: GPS and Well Log

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
07S	35E	7																X	

Method of Determination: Aerial Photography

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☐ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☐ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
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*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{O.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{O.R.} =$$

2. Volume Calculations for Other Uses:

Recreation storage is based on the Department of Fish and Game's Earth Work Specs for the proposed fish pond.

Pond Capacity = 47.0 acre-feet.

G. NARRATIVE/REMARKS/COMMENTS

This water right allows for 47.0 acre-feet of water to be annually stored in a pond owned by the Department of Fish and Game. This water right does not authorize the diversion of water for storage. To cover the initial fill and any subsequent refills, the right holder must rent water from the water supply bank. On December 14, 2010 the right holder obtained a rental agreement from the WSB to fill the pond for the 2011 season. The use of water under this right is non-consumptive. Water right 29-13997 authorizes 6.6 acre-feet of ground water to be diverted to mitigate for water losses from the pond caused by evaporation.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	01/01 to 12/31		47.00 AF
<u>Totals:</u>			47.00 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Kade Raymond Date 9/27/2012

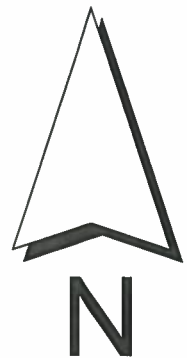
Reviewer Blake Sorden Date Jan 8, 2013

29-13998



Legend

-  29-13998 POD
-  Pipeline
-  29-13998 POU
-  Township/Range
-  Sections
-  QQ



0 162.5 325 650 Feet

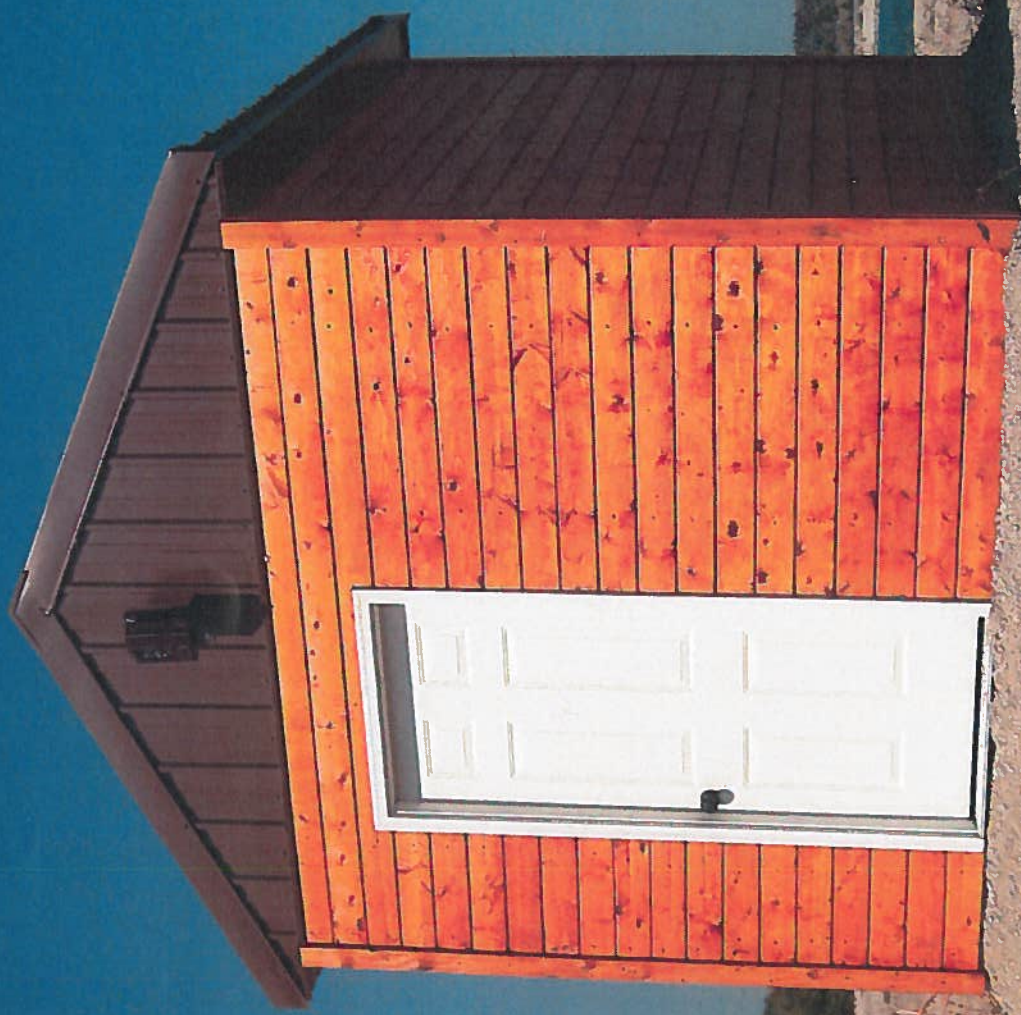
1 inch = 271.33 feet

Large fish pond



Groundwater Pipeline





well house

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

RECEIVED

SEP 28 2011

Department of Water Resources
Eastern Region

1. WELL TAG NO. D 0059785

Drilling Permit No. _____
Water right or injection well # _____

2. OWNER:

Name Idaho Department of Fish & Game
Address PO Box 25
City Boise State ID Zip 83707

3. WELL LOCATION:

Twp. 7 North ☐ or South ☒ Rge. 35 East ☒ or West ☐
Sec. 7 10 acres 1/4 SE 40 acres 1/4 SE 160 acres 1/4

Gov't Lot _____ County Bannock
Lat. 42 49.24210 (Deg and Decimal minutes)
Long 112 24.13065 (Deg and Decimal minutes)
Address of Well Site Edson Fisher Nature Area, East of Indian Hills Elementary City Pocatello
(Give at least name of road + distance to road or landmark)
Lot _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☒ Other Pond

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
Bentonite	0	-40'	1500 lbs	Annular

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
8"	+3'	-75'	.250	Steel	☒	☐	☐	☒
6"	+1'	-174'	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☒ Y ☐ N Method Torch
Manufactured screen ☐ Y ☒ N Type _____
Method of installation Cut

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
-95'	-174'	1/4x6	100	6"	steel	.250

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
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11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 27 Static water level (ft) 27
Water temp. (°F) 55 Bottom hole temp. (°F) _____
Describe access port Well Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
50		180	☒	☐	☒	☐

Water quality test or comments: _____

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
12	0	17	Topsoil & Clay		X
12	17	40	Brown Clay & Gravel	X	
8	40	42	Brown Clay & Gravel	X	
8	42	75	Large Gravel & Clay	X	
8	75	91	Large Gravel & Clay		X
8	91	180	Brown Clay & Gravel		X

Completed Depth (Measurable): 180

Date Started: Sep 13, 2011 Date Completed: Sep 20, 2011

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Independent Drilling/KC Co. No. 343
*Principal Driller Rodney J. ... Date Sep 20, 2011
*Driller _____ Date Sep 20, 2011
*Operator II Will Chor Date _____
Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required